

Table S1. Effect of linoleic acid on HNF4 α target genes (Affymetrix array results)

Gene Symbol	Fold Δ by HNF4	% Δ by LA	Gene Symbol	Fold Δ by HNF4	% Δ by LA
Up by LA			Down by LA (cont.)		
MYB	3.7	+32.7	CA2	4.1	-27.2
VIPR1	3.6	+27.0	ABP1	4.1	-44.6
Down by LA			KLK7	4.1	-27.9
APOBEC1	102.2	-23.3	SRG	4.1	-28.5
NR0B2	66.9	-53.2	TRIM6	4.1	-20.8
HBA2	39.5	-43.8	DSP	4.0	-27.5
HBA1	32.8	-38.4	DGAT2	4.0	-41.7
ABCG2	24.4	-41.2	CTNS	4.8	-33.5
LOC646927	21.5	-39.8	CRLF3	4.8	-41.3
SERPINE1	21.2	-49.4	ROR1	4.8	-30.1
CYP1A2	17.2	-47.6	RBM20	4.6	-26.5
SEC14L2	15.3	-25.6	TMEM116	4.0	-35.6
SERPINA1	14.3	-29.7	NAGS	4.0	-28.1
SPHK1	12.1	-65.5	CTSZ	4.0	-28.1
RTP3	11.7	-38.7	DNM2	3.9	-36.0
DHRS3	10.9	-24.7	TRIM15	3.9	-24.6
SEPP1	10.8	-23.4	KRT7	3.9	-29.3
C6orf117	10.4	-23.2	FAM110C	3.7	-26.9
ACSL5	10.0	-23.4	ZNF557	3.6	-40.1
PKD2L1	9.2	-64.9	C20orf112	3.6	-30.3
CALML4	9.2	-20.0	PQLC2	3.6	-59.2
GDA	8.2	-35.8	PIPOX	3.6	-25.6
CYP4F12	8.2	-64.7	TJP3	3.6	-34.3
AQP3	7.6	-30.3	NKX3-1	3.5	-39.9
BIN2	7.6	-42.9	DKFZp666G057	3.5	-67.8
TCF7	7.5	-47.3	FOXO1A	3.5	-29.5
PDK4	7.2	-29.6	KCNK5	3.5	-53.5
DIRAS3	7.2	-30.6	SLC16A5	3.4	-47.4
KLK6	6.4	-22.9	RBKS	3.4	-37.4
ARPM1	6.3	-63.5	HTRA2	3.4	-27.8
PLCXD1	6.2	-23.8	VPS13D	3.4	-28.5
ANKRD41	5.9	-34.2	FAM101B	3.3	-27.7
SIRPA	5.7	-26.1	SDC1	3.3	-21.6
KIAA1509	5.3	-24.1	LOC646762	3.3	-47.3
IL32	5.2	-69.8	CYP24A1	3.3	-25.7
MGC7036	5.1	-23.2	NSUN6	3.2	-26.9
KCNQ4	5.1	-29.7	PNPLA2	3.2	-23.9
C6orf141	4.9	-33.6	STAP2	3.2	-54.5
OGG1	4.5	-30.2	ZNF207	3.1	-21.4
TRIM10	4.4	-51.0	LOC116236	3.1	-40.0
CDKN2C	4.3	-27.2	TUBAL3	3.1	-36.5
KIAA1727	4.3	-21.5	C1orf93	3.1	-27.2
MLXIPL	4.2	-29.9	RBPMS2	3.0	-27.9
			FBXL15	3.0	-39.1

Genes up-regulated >3.0-fold in human colorectal cancer (HCT116) cells by Adeno.ratHNF4 α 1.VSV with >20% change by LA and raw intensity values >50 (+HNF4 -LA); results are from expression profiling using human Affymetrix U133 2.0 arrays (average of duplicate arrays from biological triplicates). See main text for detailed methods. Genes in bold were verified by qRT-PCR (see Fig. 6 in main text).